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**(54) METHOD AND DEVICE FOR INCREASING AMOUNT OF AUTOMATIC
TRANSMISSION REPEAT REQUESTS OF PHYSICAL LEVEL IN WIRELESS DATA
TRANSMISSION SYSTEMS**

FIELD: communication systems.

SUBSTANCE: control system and receiver-transmitter are configured to determine data transmission speed control value and for transmission of maximal amount of time slots allowed for transmission of physical level data packet. After detection of normal transmission termination, threshold values of decoding are corrected to decode positive confirmation message and decoding of confirmation channel is repeated with corrected threshold values. Physical level data packet is relayed at least one more time after that on basis of whether repeated decoding of confirmation channel produces negative confirmation message. Relaying may be based on level of traffic capacity for transmissions between base station and mobile station.

EFFECT: increased efficiency of resource usage.

6 cl, 13 dwg

